

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33290

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : G10H 7/12		
US CL : 704/263; 381/61; 84/603		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 704/263, 267, 200.1; 381/61-63; 84/603, 604, 626		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPATS, USPGPUB, DERWENT, EPO, JPO		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,862,227 A (ORDUNA-BUSTAMANTE et al.) 19 January 1999 (19.01.1999), entire document, especially Figures 1-4, columns 1-6, and columns 12-13	5,6, 8-11, 13, 14
Y	US 6,453,253 B1 (TPO) 17 September 2002 (17.09.2002), Figure 2 and columns 1-5	7
X	US 2003/0169887 A1 (FUJITA et al.) 11 September 2003 (11.09.2003), see entire document especially Figure 1 and pages 1-8.	1-4, 12
Y		5,6, 8-11, 13, 14
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
Special categories of cited documents:		
A	document defining the general state of the art which is not considered to be of particular relevance	*T*
E	earlier application or patent published on or after the international filing date	*X*
I	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*Y*
O	document referring to an oral disclosure, use, exhibition or other means	*Z*
P	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search		Date of mailing of the international search report
03 February 2005 (03.02.2005)		23 FEB 2005
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Donald L. Storm Telephone No. (703) 305-3257

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